

# Wiring Devices and Supplies: 2001

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### SUMMARY OF FINDINGS

During 2001, manufacturers' shipments of wiring devices and supplies totaled \$9.5 billion, a decrease of 9.9 percent from \$10.6 billion in 2000. Current-carrying wiring devices accounted for \$5.6 billion in 2000, while the noncurrent-

carrying wiring devices accounted for \$4.4 billion, a decrease of 0.13 percent under 2000. The 2001 shipments included lampholders, valued at \$132 million, down 0.16 percent from \$156 million in 2000; convenience and power outlets, valued at \$370 million, down 9.5 percent from \$409 million in 2000; switches, valued at \$1.7 billion, down 0.10 percent from \$1.9 billion in 2000; metal contacts valued at \$178 million, a decrease of 0.28 percent from \$246 million in 2000; wire connectors, valued at \$1.4 billion, decreased 0.11 percent from \$1.5 billion in 2000; other current-carrying wiring devices valued at \$1.5 billion, up 6.7 percent from \$1.4 billion in 2000; pole line and transmission hardware, valued at \$778 million, down from \$939 million in 2000, electrical conduit fittings, valued at \$2 billion, down from \$2.3 billion in 2000; and other noncurrent-carrying devices, valued at \$1.6 billion, down 0.11 percent from \$1.8 billion in 2000.

For general CIR information, explanation of general terms and historical note, see the appendix.

Address inquiries concerning these data to Investment Goods Industries Branch, Manufacturing and Construction Division (MCD), Washington, DC 20233-6900, or call Vance Davis, 301-457-4790.

For mail or fax copies of this publication, please contact the Information Services Center, MCD, Washington, DC 20233-6900, or call 301-457-4673.

# U S C E N S U S B U R E A U

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Economics and Statistics Administration  
U.S. CENSUS BUREAU



Table 1. Value of Shipments of Wiring Devices and Supplies by Class of Product: 1992 and 2000  
[Millions of dollars]

Product code	Product description	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992
335931	Current-carrying wiring devices.....	5,181	5,584	5,395	5,448	5,300	4,836	4,772	4,422	4,087	4,154
3359311	Lampholders.....	132	156	159	194	194	193	201	211	210	197
3359313	Convenience and power outlets, both general- and special-purpose, excluding pin and sleeve type.....	370	409	415	461	436	375	364	341	314	332
3359315	Switches for electrical circuitry.....	1,675	1,869	1,752	1,840	1,775	1,612	1,623	1,526	1,474	1,424
3359317	Metal contacts precious and other.....	178	246	236	226	214	239	259	245	208	240
3359319	Wire connectors for electrical circuitry.....	1,378	1,546	1,517	1,450	1,462	1,235	1,194	1,082	976	1,007
335931A	Other current-carrying wiring devices, including attachment plug caps, connector bodies, lightning arrestors, and pin and sleeve convenience power outlets.....	1,450	1,359	1,317	1,277	1,219	1,182	1,130	1,018	904	953
335932	Noncurrent-carrying wiring devices.....	4,355	5,004	4,660	4,464	4,424	3,938	3,915	3,622	3,251	3,140
3359321	Pole line and transmission hardware.....	778	939	958	852	856	704	673	641	618	542
3359323	Electrical conduit and conduit fittings.....	2,020	2,308	2,306	2,126	2,184	1,960	2,050	1,866	1,634	1,601
3359325	Other noncurrent-carrying wiring devices and supplies.....	1,557	1,757	1,396	1,485	1,384	1,274	1,192	1,116	999	998

Table 2. Quantity and Value of Shipments of Wiring Devices and Supplies: 2001 and 2000  
[Quantity in thousands of units. Value in thousands of dollars]

Product code	Product description	No. of cos.	2001		2000	
			Quantity	Value	Quantity	Value
335931	Wiring devices and supplies.....	(X)	(X)	9,536,796	(X) r/	10,588,099
3359311	Current-carrying wiring devices.....	(X)	(X)	5,181,451	(X) r/	5,584,225
3359311	Lampholders.....	22	334,665	131,520	402,154	156,135
3359311002	Incandescent: Push through and pull types, all materials, threaded, medium base only, excluding outlet box type and socket interiors 1/.....	4	(D)	(D)	(D)	(D)
3359311004	Outlet box, threaded, medium base only, pull and keyless types.....	3 a/	14,085	15,128	15,238	16,113
3359311006	Weatherproof, threaded, medium base only.....	3	2,432	2,748	2,880	3,200
3359311008	Candelabra base, all types.....	6	6,761	3,730	7,130	4,356
3359311011	Sign and fixture, medium base only.....	3 b/	6,005	5,263	c/ 14,348	b/ 10,076
3359311012	All other incandescent, medium, admedium, intermediate, lumiline, miniature, including but not limited to pin-type, cleat, hasp, and socket interiors sold separately, all bases 1/.....	9	80,131	57,560	94,448	r/ 65,956
3359311014	Fluorescent: Bi-pin.....	6	185,035	24,839	220,730	29,615
3359311016	Slimline 2/.....	3	(D)	(D)	(D)	(D)
3359311018	Recessed double contact 2/.....	4	(D)	(D)	(D)	(D)
3359311021	All other fluorescent, including but not limited to circline, panelescent and starter holders 2/.....	5	37,100	17,997	c/r/ 43,309	r/ 21,413
3359311022	All other lampholders, including cold cathode neon, and bases for quartz lamps.....	4 c/	3,116	c/ 4,255	c/r/ 4,071	r/ 5,406
3359313	Convenience and power outlets, both general- and special-purpose, excluding pin and sleeve type.....	14 a/	222,485	369,934	238,386	408,571
3359313002	Receptacles with GFIC (all types, all amperages).....	3	25,486	150,136	r/ 27,964	156,905
3359313004	Receptacles without GFIC: 2-pole, 2-wire (flush, all types) 3/.....	4	(D)	(D)	(D)	(D)
3359313006	2-pole, 3-wire and up (flush): Locking, 15 amperes and under 4/.....	2	(D)	(D)	(D)	(D)
3359313008	Locking, 20 amperes and over 4/.....	5	83,214	64,862	89,711	c/ 74,930
3359313011	Nonlocking, 15 amperes and under.....	5 a/	67,180	54,641	64,407	58,650
3359313012	Nonlocking, 20 amperes and over.....	6	33,467	57,370	34,902	62,136
3359313014	Appliance and special applications all amperages, all types.....	5 b/	7,480	b/ 3,970	14,177	b/ 5,808
3359313016	All other types, including dust and explosion proof, surface and 2-pole/2-wire 3/.....	7 b/	5,658	38,955	7,225	50,142
3359315	Switches for electrical circuitry.....	76 a/	875,720	1,674,508	a/r/ 979,673	r/ 1,868,731
335931502	General use flush-mounted switches, designed for mounting in switch or outlet boxes (except dimmers): Ac (except mercury): Single pole, 15 amperes and under.....	5 a/	93,661	75,446	79,726	63,777
3359315104	Single pole, over 15 amperes.....	4	10,773	26,065	11,869	29,226
3359315106	Other than single pole, including but not limited to double pole 3-way, 4-way.....	5 a/	39,168	70,920	41,115	79,103
3359315108	Ac-dc (except mercury) 5/.....	3	(D)	(D)	(D)	(D)
3359315111	All other general-use switches, including surface-mounted, mercury, etc. 5/.....	9 c/	115,924	59,392	c/r/ 104,444	r/ 79,108

Continued

Table 2. Quantity and Value of Shipments of Wiring Devices and Supplies: 2001 and 2000  
[Quantity in thousands of units. Value in thousands of dollars]

Product code	Product description	No. of cos.	2001		2000	
			Quantity	Value	Quantity	Value
3359315312	Special-purpose switches: Appliance and fixture, including pendant and canopy types and variable speed controls.....	14	69,506	109,046	a/ 79,717	r/ 119,774
3359315314	Precision (1/8-inch gap or less) snap-acting switches, excluding limit switches.....	6	71,161	35,603	77,185	38,669
3359315616	Aircraft types 6/.....	9	(D)	(D)	(D)	(D)
3359315218	Automotive types.....	27	267,152	654,992	r/ 316,663	r/ 785,712
3359315321	All other special-purpose switches, including foot actuated, light sensing, and signal actuated 6/.....	26 b/	196,712	443,613	b/r/ 258,009	r/ 503,206
	Dimmers:					
	Incandescent:					
3359315422	Infinitely variable, 600 watts or less.....	6	8,152	103,771	7,143	73,174
3359315424	Infinitely variable, over 600 watts.....	6	647	26,564	632	25,892
3359315426	All other types, including but not limited to portable lamps and high-low switches.....	6	2,864	69,096	3,170	71,090
3359317	Metal contacts, precious and other.....	17	(S)	178,132	(S)	245,866
3359319	Wire connectors, including connectors used under national electrical application.....	76	35,072,645	1,377,593	41,590,420	1,545,963
3359319002	Pressure connectors, where pressure is applied by screw, cone, or other mechanical device.....	25 a/	552,979	189,407	r/ 654,807	r/ 207,398
3359319004	Compression connectors, uninsulated terminals and splicers, tool installed.....	25	3,825,563	198,540	4,191,188	227,908
3359319006	Preinsulated terminals and splicers, tool installed.....	18 b/	1,618,425	140,808	r/ 1,560,604	r/ 141,639
3359319008	Banded or strip terminals and splicers, machine installed.....	14 a/	1,783,177	49,161	2,330,024	69,142
3359319011	Pigtail connectors, including wire nuts 7/.....	15	(D)	(D)	(D)	(D)
3359319012	Blade or pin type, separable terminations and splicers 7/.....	12	(D)	(D)	(D)	(D)
3359319014	Other wire connectors, n.e.c., including solder type 7/.....	36	27,292,501	799,677	a/ 32,853,797	r/ 899,876
335931A	Other current-carrying wiring devices, including attachment plug caps, connector bodies, lightening arrestors, pin and sleeve convenience power outlets, etc. ....	117	(X)	1,449,764	(X)	1,358,959
	Attachment plug caps and flanged outlets, including motor bases, all types; including fused, fuseless, switch, and switchless:					
335931A002	2-pole, 2-wire, all types, general use locking and nonlocking, all amperages.....	8 a/	29,598	15,859	37,050	16,938
	2-pole, 3-wire and up:					
335931A004	Locking, all amperes.....	7	701	3,762	1,159	5,159
335931A006	Locking, 20 amperes and over.....	6 a/	2,100	16,177	2,568	22,872
335931A007	Nonlocking, all amperes 8/.....	12	(D)	(D)	(D)	(D)
335931A012	All other types (except pin and sleeve), including dust and explosion-proof, appliance, and other special application 8/.....	5 b/	13,952	60,910	a/ 15,055	66,669

Table 2. Quantity and Value of Shipments of Wiring Devices and Supplies: 2001 and 2000  
[Quantity in thousands of units. Value in thousands of dollars]

Product code	Product description	No. of cos.	2001		2000	
			Quantity	Value	Quantity	Value
	Connector bodies and flanged outlets, all types:					
335931A014	2-pole, 2-wire, all types, all amperages.....	4 b/	1,111	1,577	b/	1,262
	2-pole, 3-wire and up:					
335931A016	Locking, 15 amperes and under.....	8	2,827	23,757		3,144
335931A018	Locking, 20 amperes and over.....	7	975	12,825		1,308
335931A019	Nonlocking, all amperes.....	9 a/	5,681	22,786		5,968
335931A024	All other types, (except pin and sleeve), including dust and explosion-proof, appliance, and other special application.....	7	43,863	58,558	r/	47,642
	Pin and sleeve convenience and power outlets, attachment plug caps and connector bodies:					
	Pin and sleeve, general-purpose (120 volts and over, 20 amperes and over):					
335931A026	Convenience and power outlets 9/.....	8	(D)	(D)	(D)	(D)
335931A028	Attachment plug caps.....	7	99	11,833	103	11,890
335931A031	Connector bodies.....	6	472	23,784	561	28,890
335931A032	All other pin and sleeve, including dust and explosion-proof, 20-amperes types, etc. 9/.....	4	12,878	62,711	b/r/	6,800
335931A034	Fluorescent starters.....	4 c/	3,480	811	c/	3,656
335931A036	Terminal blocks.....	20	431,926	313,309		109,922
	Lightning arrestors for alternating current power transmission systems and substations; U.S. designation, station and intermediate, I.E.C. designation 10KA and 5KA Series A.....	5	(X) b/	50,545	(X)	
335931A041	Lightning arrestors for alternating current power distribution systems and substations; U.S. designation, distribution and secondary I.E.C. designation 5KA Series B, 2.5KA and 1.5KA.....	7	(X)	121,037	(X) r/	145,842
335931A042	Surge suppressors, designed for equipment operating on 110/120 volt circuits.....	13	(X) b/	100,430	(X) b/r/	110,495
335931A044	Lightning rods.....	12	(X)	53,750	(X) r/	53,421
335931A046	Electric harnesses and assemblies, excluding engine harnesses (from purchased wire).....	18	(X)	193,665	(X)	
335931A048	All other wiring devices with integral ground fault circuit interrupting capabilities, excluding circuit breakers 10/.....	3	(D)	(D)	(D)	(D)
335931A051	Miscellaneous, including combination devices, adapters, current taps, surface extensions, rosettes, choke coils, rail bonds, and overhead trolley line materials 10/.....	40	(X)	301,678	(X) r/	305,537
335932	Noncurrent-carrying wiring devices.....	(X)	(X)	4,355,345	(X) r/	5,003,874
3359321	Pole and transmission line hardware.....	36	(X)	778,050	(X)	938,956
3359321002	Pole and transmission line construction materials, also known as overhead and underground line hardware for electric transmission, distribution, and communication lines.....	28	(X)	604,577	(X)	750,241
3359321004	Pole and transmission line anchors.....	5	(X)	16,716	(X) r/	17,234

Continued

Table 2. Quantity and Value of Shipments of Wiring Devices and Supplies: 2001 and 2000  
[Quantity in thousands of units. Value in thousands of dollars]

Product code	Product description	No. of cos.	2001		2000	
			Quantity	Value	Quantity	Value
3359321006	All other pole and transmission line hardware.....	10	(X)	156,757	(X)	171,481
3359323	Electrical conduit and conduit fittings.....	66	(X)	2,020,414	(X)	a/ 2,308,375
3359323101	Rigid metal conduit, excluding couplings, nipples, bends, and elbows:	9		249,551	265,011	260,976
3359323106	Nonmetallic conduit (1,000 pounds).....	13		749,400	717,470	406,749
3359323108	Electrical metallic tubing (short tons).....	8		480,718	509,911	424,264
3359323111	Flexible steel and aluminum conduit (1,000 feet).....	6		217,257	826,226	234,542
3359323112	Flexible nonmetallic conduit (1,000 pounds).....	8		212,956	121,678	53,198
3359323114	Raceways and wire ways, including fittings, metal.....	10	(X)	141,496	(X)	190,657
3359323116	Ventilated cable tray and accessories.....	6	(X) b/	66,463	(X)	58,752
3359323118	Cast conduit bodies, covers, and gaskets.....	6	(X)	58,186	(X)	64,255
	Rigid conduit fittings, including couplings, nipples, bends, and elbows:					
3359323221	Couplings, connectors, and unions....	15	(X) a/	67,683	(X)	95,102
3359323222	Locknuts and bushings.....	7	(X)	22,363	(X) r/	26,987
3359323224	All other rigid conduit fittings.....	6	(X)	25,498	(X)	30,481
3359323226	Nonmetallic conduit fittings.....	12	(X)	144,005	(X)	80,066
	EMT fittings (couplings and connectors):					
3359323228	Gland type.....	6	(X)	24,474	(X)	29,508
3359323231	Set-screw type.....	5	(X)	27,591	(X) a/	34,266
3359323232	All others.....	7	(X)	9,698	(X)	12,117
3359323234	Service entrance caps, ells, and connectors.....	7	(X)	9,897	(X)	9,722
	Cable, cord, and flexible conduit fittings:					
3359323236	Armored cable, metallic sheathed cable, and flexible conduit fittings.....	13	(X)	202,227	(X)	162,254
3359323238	Liquid-tight flexible conduit fittings.....	10	(X)	63,247	(X)	78,864
3359323241	Nonmetallic sheathed cable and cord fittings.....	9	(X)	14,614	(X) a/	18,584
3359323242	Other electric conduit fittings.....	12	(X) a/	41,832	(X)	37,031
3359325	Other noncurrent-carrying wiring devices and supplies.....	69	(X)	1,556,881	(X) r/	1,756,543
	Stamped metal boxes, covers, and accessories, including stamped conduit boxes:					
3359325102	Switch and receptacle boxes.....	12	(X)	422,854	(X)	478,062
3359325204	Outlet boxes.....	7	(X)	137,844	(X)	141,514
3359325206	Covers.....	9	(X)	39,015	(X)	47,644
3359325208	Supports, bar hangers, and other accessories.....	13	(X)	62,881	(X)	68,019
	Cast metal boxes, covers, gaskets, and accessories:					
3359325311	FS and FD switch and receptacle type.....	7	(X)	14,893	(X)	16,982
3359325312	Outlet type.....	5	(X)	47,285	(X)	46,394
3359325314	Junction type.....	13	(X)	139,798	(X) r/	144,544
	Switch, outlet, FM/TV, and telephone wall plates:					
3359325316	Metallic.....	8		50,241	52,369	26,960
3359325318	Nonmetallic.....	9	a/	442,160	r/ 385,239	87,691

Continued

Table 2. Quantity and Value of Shipments of Wiring Devices and Supplies: 2001 and 2000  
[Quantity in thousands of units. Value in thousands of dollars]

Product code	Product description	No. of cos.	2001		2000	
			Quantity	Value	Quantity	Value
3359325321	Plastic boxes and covers.....	18	(X)	226,753	(X) r/	249,630
3359325322	Floor boxes and covers.....	6	(X)	42,254	(X)	48,869
3359325324	Other noncurrent-carrying wiring devices and supplies.....	31	(X)	295,104	(X) r/	400,234

D Withheld to avoid disclosing data for individual companies. n.e.c. Not elsewhere classified. r/Revised by 5 percent or more from previously published data. S Does not meet publication standards. X Not applicable.

- 1/Product code 3359311002 is combined with product code 3359311012 to avoid disclosing data for individual companies.  
2/Product codes 3359311016 and 3359311018 are combined with product code 3359311021 to avoid disclosing data for individual companies.  
3/Product code 3359313004 is combined with product code 3359313016 to avoid disclosing data for individual companies.  
4/Product code 3359313006 is combined with product code 3359313008 to avoid disclosing data for individual companies.  
5/Product code 3359315108 is combined with product code 3359315111 to avoid disclosing data for individual companies.  
6/Product code 3359315616 is combined with product code 3359315321 to avoid disclosing data for individual companies.  
7/Product codes 3359319011 and 3359319012 are combined with product 3359319014 to avoid disclosing data for individual companies.  
8/Product code 335931A007 is combined with product code 335931A012 to avoid disclosing data for individual companies.  
9/Product code 335931A026 is combined with product code 335931A032 to avoid disclosing data for individual companies.  
10/Product code 335931A048 is combined with product code 335931A051 to avoid disclosing data for individual companies.

Note: Percent of estimation of each item is indicated as follows: a/10 to 25 percent of this item is estimated. b/26 to 50 percent of this item is estimated. c/Over 50 percent of this item is estimated.

**Table 3. Value of Shipments, Exports, and Imports of Selected Wiring Devices: 2001 and 2000**  
**[Millions of dollars]**

<b>Product description</b>	<b>Manufacturers' shipments f.o.b. plant 1/</b>	<b>Exports of domestic merchandise at port 1/2/</b>	<b>Imports for consumption 1/3/</b>
<b>2001</b>			
<b>Lampholders.....</b>	<b>132.0</b>	<b>37.0</b>	<b>64.1</b>
<b>Metal contacts.....</b>	<b>178.0</b>	<b>132.8</b>	<b>83.0</b>
<b>2000</b>			
<b>Lampholders.....</b>	<b>156.0</b>	<b>28.8</b>	<b>73.9</b>
<b>Metal contacts.....</b>	<b>246.0</b>	<b>177.8</b>	<b>96.1</b>

**1/For comparison of the North American Industry Classification System (NAICS)-based product codes with Schedule B export codes and HTSUSA import codes, see Table 4.**

**2/Source: Census Bureau report EM 545, U.S. Exports.**

**3/Source: Census Bureau report IM 145, U.S. Imports for Consumption.**



**Table 4. Comparison of the North American Industry Classification System (NAICS)-Based Product Codes with Schedule B Export Codes and HTSUSA Import Codes: 2001**

<b>Product code</b>	<b>Production description</b>	<b>Export code 1/</b>	<b>Import code 2/</b>
3359311	Lampholders.....	8536.61.0000	8536.61.0000
3359317	Metal contacts.....	8538.90.7040	8538.90.8040
3359315102, 104, 106, 108, 111, 218, 312, 314, 321, 616	Switches, other than dimmers.....	8535.30.0040 8536.50.9065	8535.30.0040 8536.50.9025 8536.50.9035 8536.50.9050 8536.50.9055 *8536.50.9065
3359315422, 424, 426	Dimmer switches.....	*8533.39.0040 8536.50.9040	*8533.39.0040
3359319	Wire connectors.....	8536.69.5050	*8536.69.8000
3359323	Conduit fittings.....	*8547.20.0000 8547.90.0010 *8547.90.0020 *8547.90.0030 *8547.90.0040	8547.20.0000 8547.90.0010 *8547.90.0020 *8547.90.0030 *8547.90.0040

\* This code is partially correlated with the products described.

1/Source: 2001 edition, Harmonized System-Based Schedule B, Statistical Classification of Domestic and Foreign Commodities Exported for the United States.

2/Source: Harmonized Tariff Schedule of the United States, Annotated (2001).

# Appendix.

## General CIR Survey Information, Explanation of General Terms and Historical Note

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### GENERAL

The CIR program has been providing monthly, quarterly, and annual measures of industrial activity for many years. Since 1904, with its cotton and fats and oils surveys, the CIR program has formed an essential part of an integrated statistical system involving the quinquennial economic census, manufacturing sector, and the annual survey of manufactures. The CIR surveys, however, provide current statistics at a more detailed product level than either of the other two statistical programs.

The primary objective of the CIR program is to produce timely, accurate data on production and shipments of selected products. The data are used to satisfy economic policy needs and for market analysis, forecasting, and decision making in the private sector. The product-level data generated by these surveys are used extensively by individual firms, trade associations, and market analysts in planning or recommending marketing and legislative strategies, particularly if their industry is significantly affected by foreign trade. Although production and shipments information are the two most common data items collected, the CIR program collects other measures also such as inventories, orders, and consumption. These surveys measure manufacturing activity in important commodity areas such as textiles and apparel, chemicals, primary metals, computer and electronic components, industrial equipment, aerospace equipment, and consumer goods.

The CIR program uses a unified data collection, processing, and publication system. The U.S. Census Bureau updates the survey panels for most reports annually and reconciles the estimates to the results of the broader-based annual survey of manufactures and the economic census, manufacturing sector. The manufacturing sector provides a complete list of all producers of the products covered by the CIR program and serves as the primary source for CIR sampling. Where a small number of producers exist, CIR surveys cover all known producers of a product. However, when the number of producers is too large, cutoff and random sampling techniques are used. Surveys are continually reviewed and modified to provide the most up-to-date information on products produced. The CIR program includes a group of mandatory and voluntary surveys. Typically the monthly and quarterly surveys are conducted on a voluntary basis. Those companies that choose not to respond to the voluntary surveys are required to submit a mandatory annual counterpart corresponding to the more frequent survey.

### NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM (NAICS), 1997

The adoption of the North American Industry Classification System (NAICS) in the 1997 Economic Census has had a major impact on the comparability of current and historic data. Approximately half of the industries in the manufacturing sector of NAICS do not have comparable industries in the Standard Industrial Classification (SIC) system that was used in the past.

While most of the change affecting the manufacturing sector was change within the sector, some industries left manufacturing and others came into manufacturing. Prominent among those that left manufacturing are logging and portions of publishing. Prominent among the industries that came into the manufacturing sector are bakeries, candy stores where candy is made on the premises, custom tailors, makers of custom draperies, and tire retreading. The net effect of the classification changes are such that if the 1997 value of shipments data for all manufacturers were tabulated on an SIC basis, it would be approximately 3 percent higher.

Listed below are the NAICS sectors:

- 21 Mining
- 22 Utilities
- 23 Construction
- 31-33 Manufacturing
- 42 Wholesale Trade
- 44-45 Retail Trade
- 48-49 Transportation and Warehousing
- 51 Information
- 52 Finance and Insurance
- 53 Real Estate and Rental and Leasing
- 54 Professional, Scientific, and Technical Services
- 55 Management of Companies and Enterprises
- 56 Administrative and Support and Waste Management and Remediation Services
- 61 Educational Services
- 62 Health Care and Social Assistance
- 71 Arts, Entertainment, and Recreation
- 72 Accommodation and Food Services
- 81 Other Services (except Public Administration)

(Not listed above are the Agriculture, Forestry, Fishing, and Hunting sector (NAICS 11), partially covered by the census of agriculture conducted by the U.S. Department of Agriculture, and the Public Administration sector (NAICS 92), covered by the census of governments conducted by the Census Bureau.)

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The 20 NAICS sectors are subdivided into 96 subsectors (three-digit codes), 313 industry groups (four-digit codes), and, as implemented in the United States, 1170 industries (five- and six-digit codes).

## FUNDING

The Census Bureau funds most of the surveys. However, a number of surveys are paid for either fully or partially by other Federal Government agencies or private trade associations. A few surveys are mandated, but all are authorized by Title 13 of the United States Code.

## RELIABILITY OF DATA

Survey error may result from several sources including the inability to obtain information about all cases in the survey, response errors, definitional difficulties, differences in the interpretation of questions, mistakes in recording or coding the reported data, and other errors of collection, response, coverage, and estimation. These nonsampling errors also occur in complete censuses. Although no direct measurement of the biases due to these nonsampling errors has been obtained, precautionary steps were taken in all phases of the collection, processing, and tabulation of the data in an effort to minimize their influence.

A major source of bias in the published estimates is the imputing of data for nonrespondents, for late reporters, and for data that fail logic edits. Missing figures are imputed based on period-to-period movements shown by reporting firms. A figure is considered to be an impute if the value was not directly reported on the questionnaire, directly derived from other reported items, directly available from supplemental sources, or obtained from the respondent during the analytical review phase. Imputation generally is limited to a maximum of 10 percent for any one data cell. Figures with imputation rates greater than 10 percent are suppressed or footnoted. The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse, because the actual yearly movements for nonrespondents may or may not closely agree with the imputed movements. The range of difference between the actual and imputed figures is assumed to be small. The degree of uncertainty regarding the accuracy of the published data increases as the percentage of imputation increases. Figures with imputation rates above 10 percent should be used with caution.

## DATA REVISIONS

Statistics for previous years may be revised as the result of corrected figures from respondents, late reports for which imputations were originally made, or other corrections. Data that have been revised by more than 5 percent from previously published data are indicated by footnotes.

## DISCLOSURE

The Census Bureau collects the CIR data under the authority of Title 13, United States Code, which specifies that the information can only be used for statistical purposes and cannot be published or released in any manner that would identify a person, household, or establishment. "D" indicates that data in the cell have been suppressed to avoid disclosure of information pertaining to individual companies.

## EXPLANATION OF GENERAL TERMS

**Capacity.** The maximum quantity of a product that can be produced in a plant in 1 day if operating for 24 hours. Includes the capacity of idle plants until the plant is reported to be destroyed, dismantled, or abandoned.

**Consumption.** Materials used in producing or processing a product or otherwise removing the product from the inventory.

**Exports.** Includes all types of products shipped to foreign countries, or to agents or exporters for reshipment to foreign countries.

**Gross shipments.** The quantity or value of physical shipments from domestic establishments of all products sold, transferred to other establishments of the same company, or shipped on consignment, whether for domestic or export sale or use. Shipments of products purchased for resale are omitted. Shipments of products made under toll arrangements are included.

**Interplant transfers.** Shipments to other domestic plants within a company for further assembly, fabrication, or manufacture.

**Inventories.** The quantity or value of finished goods, work in progress, and materials on hand.

**Machinery in place.** The number of machines of a particular type in place as of a particular date whether the machinery was used for production, prototype, or sampling, or was idle. Machinery in place includes all machinery set up in operating positions.

**Net receipts.** Derived by subtracting the materials held at the end of the previous month from the sum of materials used during the current month.

**Production.** The total volume of products produced, including: products sold; products transferred or added to inventory after adjustments for breakage, shrinkage, and obsolescence, plus any other inventory adjustment; and products that undergo further manufacture at the same establishment.

**Quantities produced and consumed.** Quantities of each type of product produced by a company for internal consumption within that same company.

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**Quantity and value of new orders.** The sales value of orders received during the current reporting period for products and services to be delivered immediately or at some future date. Also represents the net sales value of contract change documents that increase or decrease the sales value of the orders to which they are related, when the parties concerned are in substantial agreement as to the amount involved. Included as orders are only those that are supported by binding legal documents such as signed contracts or letter contracts.

**Quantity and value of shipments.** The figures on quantity and value of shipments represent physical shipments of all products sold, transferred to other establishments of the same company, or shipped on consignment, whether for domestic or export sale. The value represents the net sales price, f.o.b. plant, to the customer or branch to which the products are shipped, net of discounts, allowances, freight charges, and

returns. Shipments to a company's own branches are assigned the same value as comparable appropriate allocation of company overhead and profit. Products bought and resold without further manufacture are excluded.

**Stocks.** Total quantity of ending finished inventory.

**Unfilled orders (backlog).** Calculated by adding net new orders and subtracting net sales from the backlog at the end of the preceding year.

#### **HISTORICAL NOTE**

Data on wiring devices and supplies have been collected by the Census Bureau since 1960. Historical data may be obtained from Current Industrial Reports available at your local Federal Depository Library.